

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121321\
 Data File : BP008378.D
 Acq On : 13 Dec 2021 14:17
 Operator : CG/JU
 Sample : M4966-22DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P3-COMPDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/14/2021
 Supervised By : Jagrut Upadhyay 12/14/2021

Quant Time: Dec 13 14:48:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

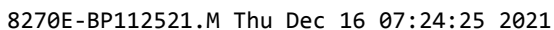
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

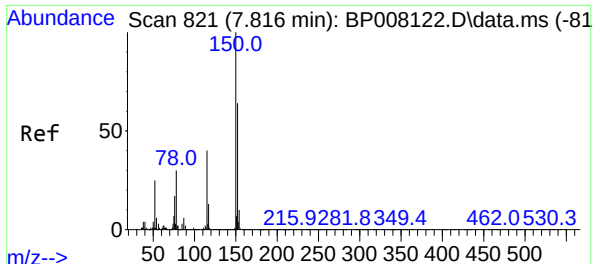
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	54737	20.000	ng	-0.01
21) Naphthalene-d8	10.546	136	211405	20.000	ng	-0.01
39) Acenaphthene-d10	14.404	164	148626	20.000	ng	-0.01
64) Phenanthrene-d10	17.169	188	338967	20.000	ng	-0.01
76) Chrysene-d12	21.280	240	401042	20.000	ng	# 0.00
86) Perylene-d12	23.657	264	442896	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	71656	21.078	ng	0.00
7) Phenol-d6	6.952	99	94294	20.547	ng	0.00
23) Nitrobenzene-d5	8.916	82	65391	14.066	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	39679	20.887	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	133122	13.010	ng	-0.01
79) Terphenyl-d14	19.745	244	238840	12.447	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.469	154	21336	2.725	ng	95
55) Dibenzofuran	14.810	168	37285	2.787	ng	97
58) Fluorene	15.463	166	35398	3.256	ng	99
71) Phenanthrene	17.210	178	424935	23.744	ng	99
72) Anthracene	17.304	178	124531	7.012	ng	98
73) Carbazole	17.587	167	52095	3.005	ng	99
75) Fluoranthene	19.192	202	532308	22.079	ng	98
78) Pyrene	19.545	202	442318	15.834	ng	99
81) Benzo(a)anthracene	21.263	228	330838	12.447	ng	99
83) Chrysene	21.316	228	261298	10.331	ng	96
87) Indeno(1,2,3-cd)pyrene	26.133	276	120101	3.727	ng	# 95
88) Benzo(b)fluoranthene	22.939	252	316609	11.858	ng	98
89) Benzo(k)fluoranthene	22.980	252	105974m	4.054	ng	
90) Benzo(a)pyrene	23.551	252	222174	9.736	ng	97
92) Benzo(g,h,i)perylene	26.892	276	98191	3.637	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Quant Time: Dec 13 14:48:59 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
Response via : Initial Calibration





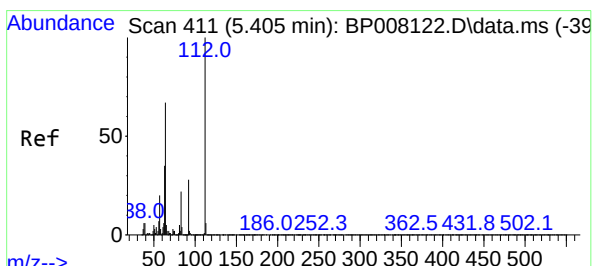
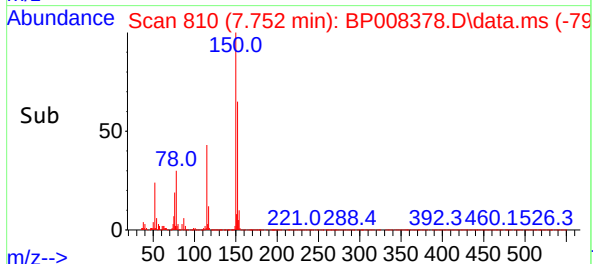
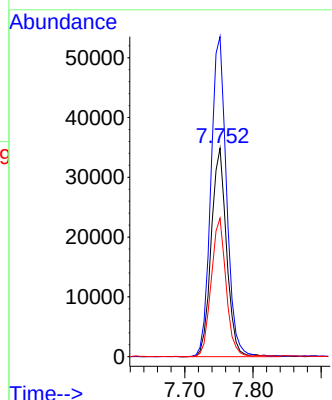
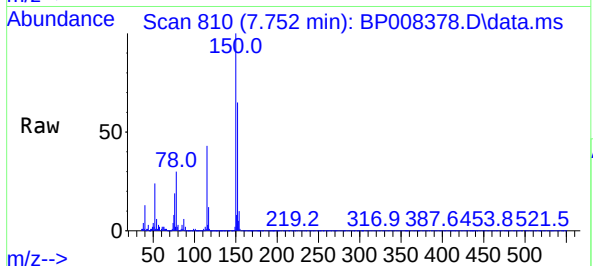
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion:152 Resp: 5473
Ion Ratio Lower Upper
152 100
150 153.5 125.7 188.5
115 66.4 50.7 76.1

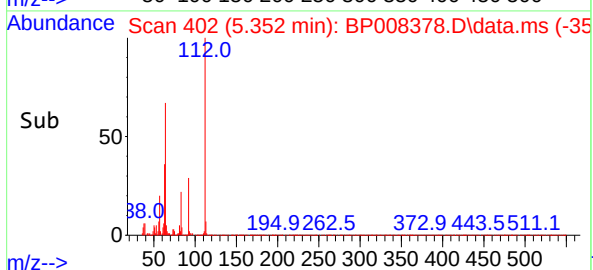
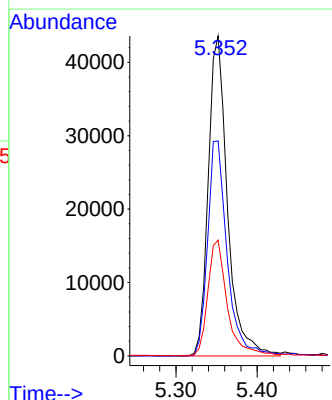
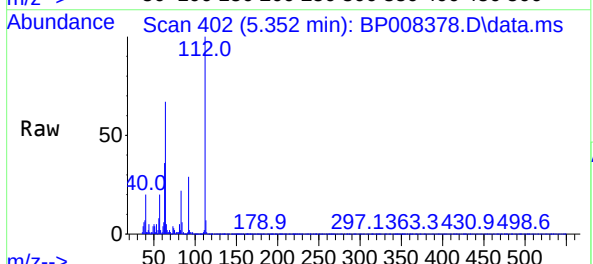
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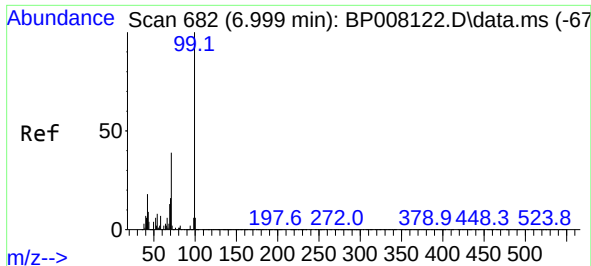
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#5
2-Fluorophenol
Concen: 21.078 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:112 Resp: 71656
Ion Ratio Lower Upper
112 100
64 67.2 53.4 80.2
63 36.2 27.8 41.8





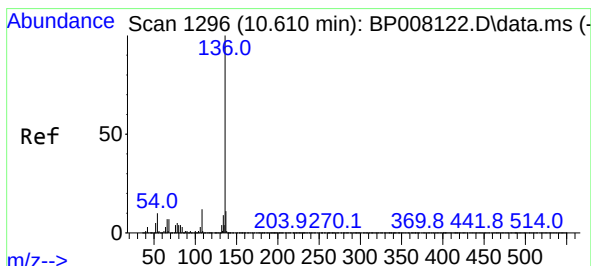
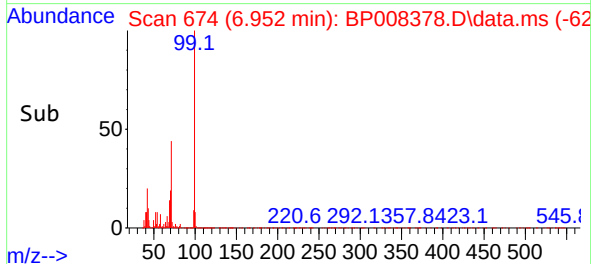
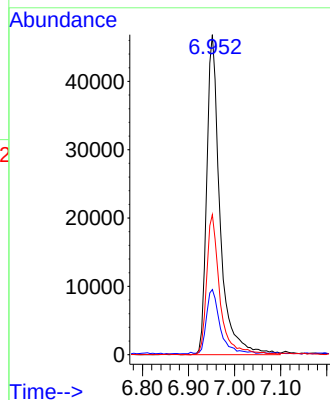
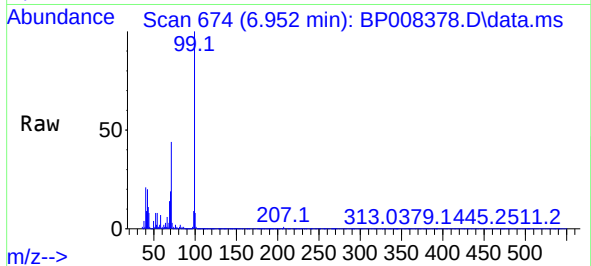
#7
Phenol-d6
Concen: 20.547 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion: 99 Resp: 94294
Ion Ratio Lower Upper
99 100
42 20.3 14.6 22.0
71 43.8 31.1 46.7

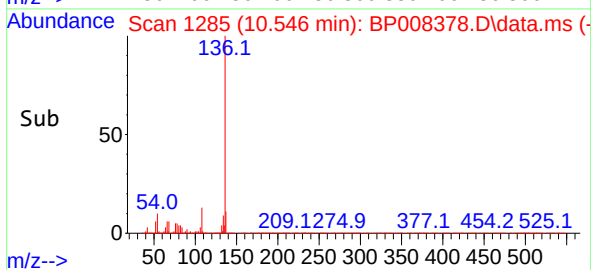
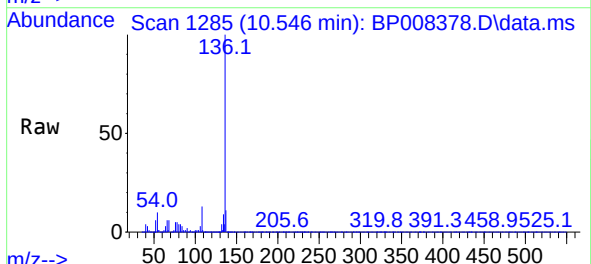
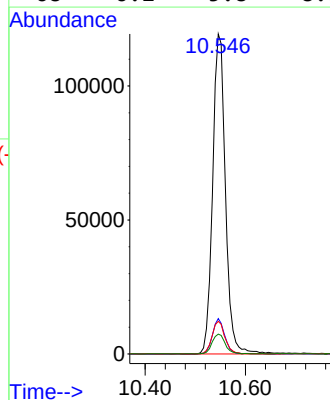
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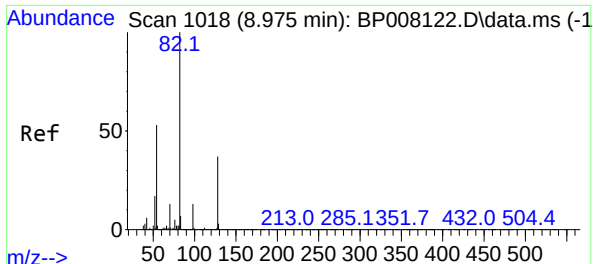
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:136 Resp: 211405
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 10.2 8.2 12.4
68 6.2 5.8 8.8





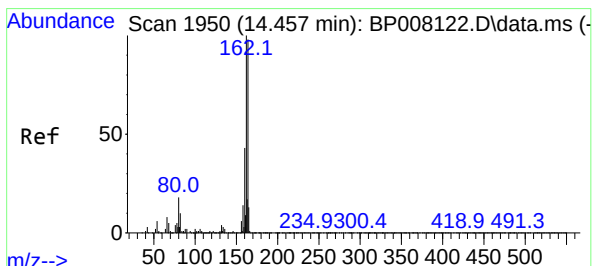
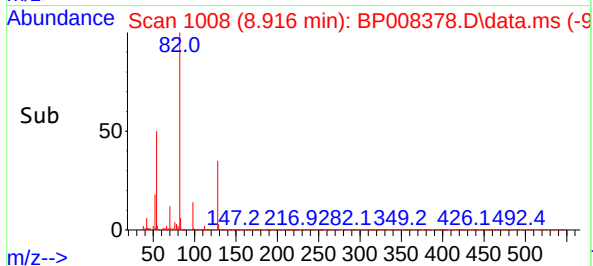
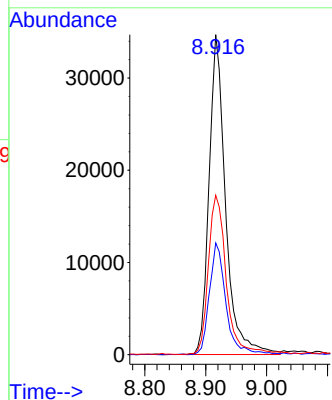
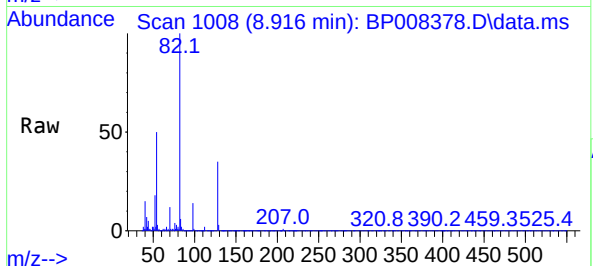
#23
Nitrobenzene-d5
Concen: 14.066 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion: 82 Resp: 6539
Ion Ratio Lower Upper
82 100
128 34.9 29.6 44.4
54 49.8 42.7 64.1

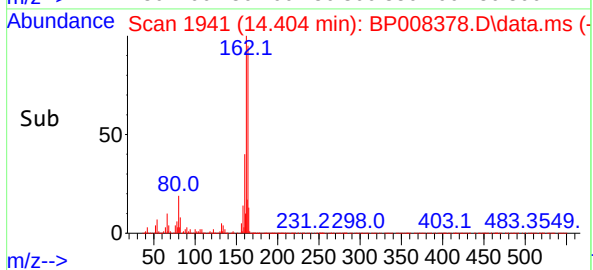
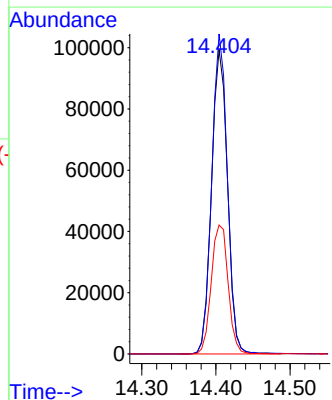
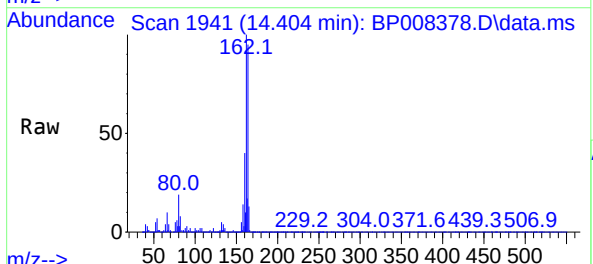
Manual Integrations
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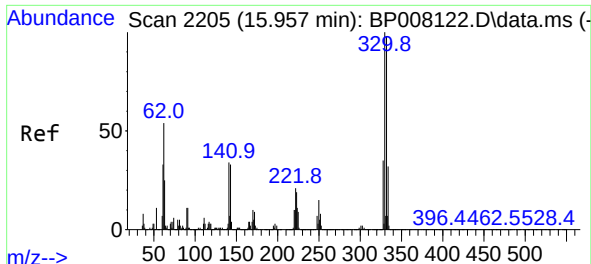
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:164 Resp: 148626
Ion Ratio Lower Upper
164 100
162 105.2 81.9 122.9
160 42.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 20.887 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :

BNA_P

ClientSampleId :

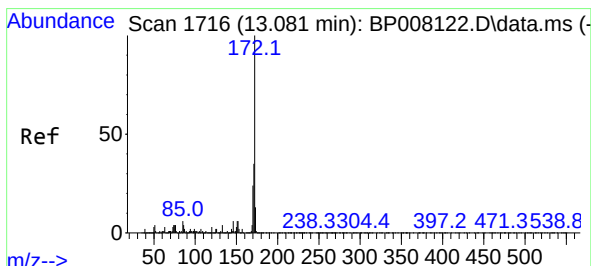
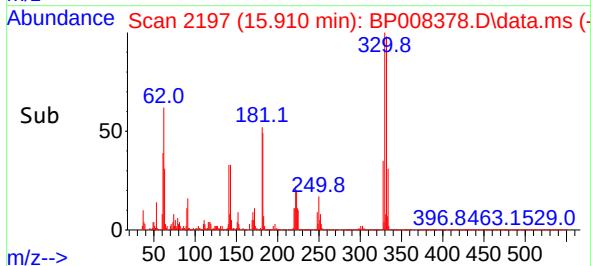
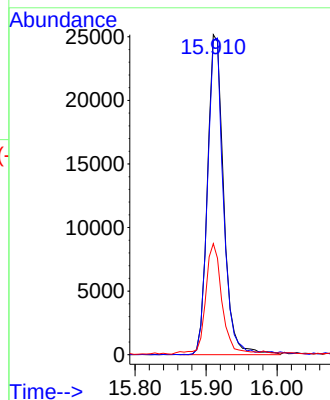
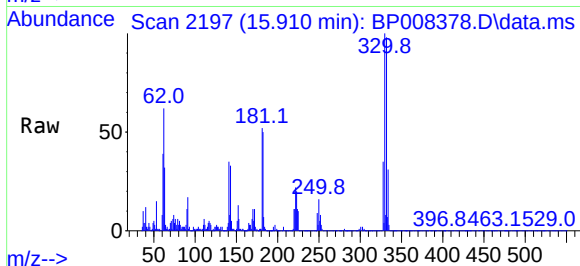
P3-COMPDL

Tgt Ion:330 Resp: 39679
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 35.4 28.4 42.6

Manual Integrations

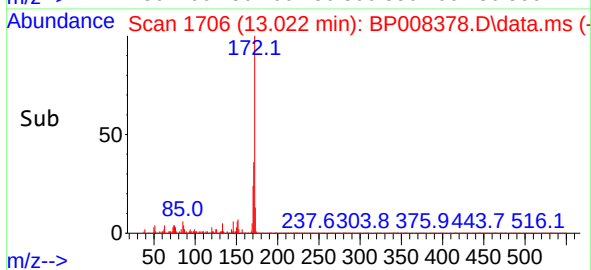
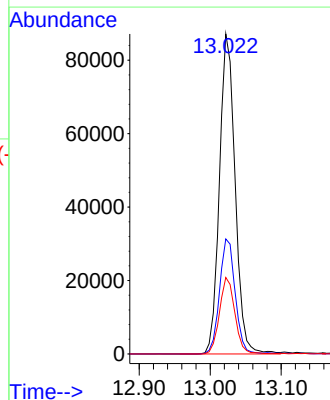
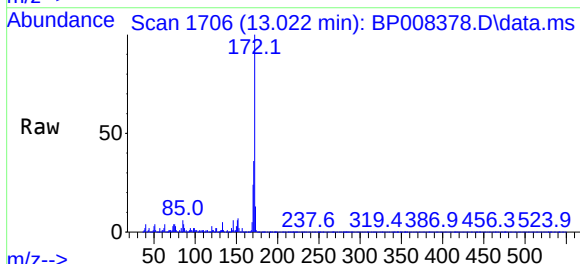
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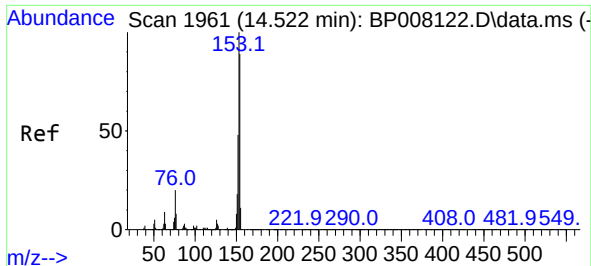
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#45
2-Fluorobiphenyl
Concen: 13.010 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:172 Resp: 133122
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 23.9 18.9 28.3





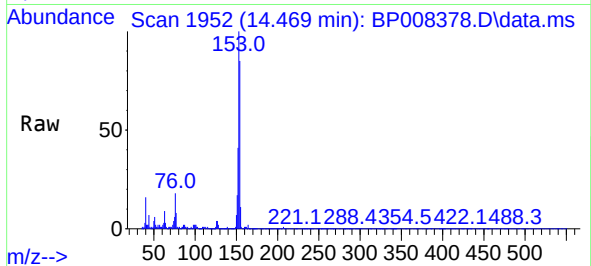
#52
Acenaphthene
Concen: 2.725 ng
RT: 14.469 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :

BNA_P

ClientSampleId :

P3-COMPDL

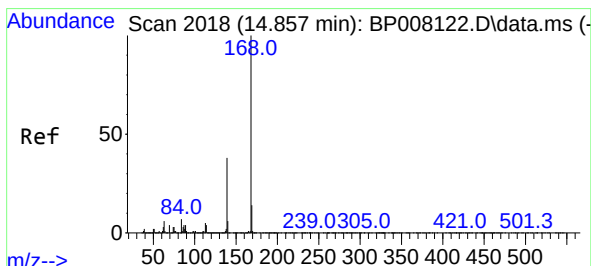
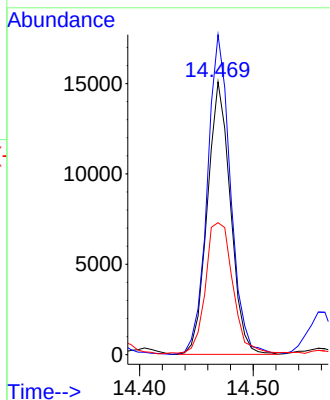
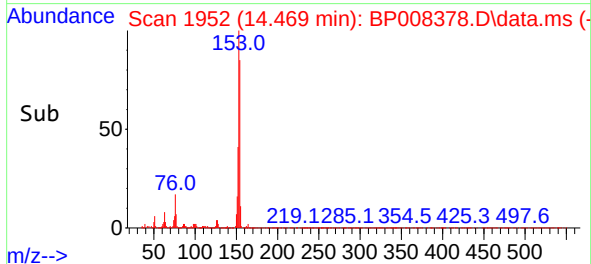


Tgt Ion:154 Resp: 21330
Ion Ratio Lower Upper
154 100
153 117.3 90.3 135.5
152 48.4 43.3 64.9

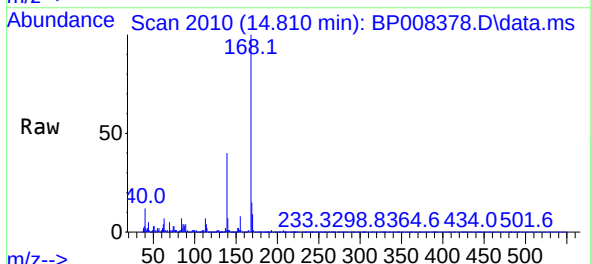
Manual Integrations

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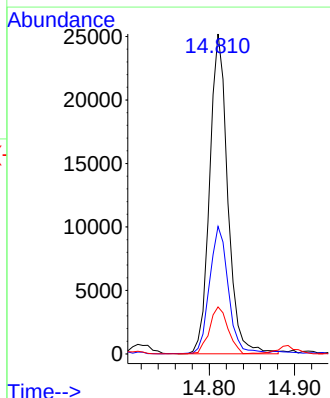
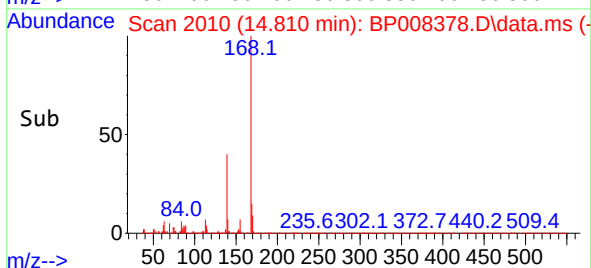
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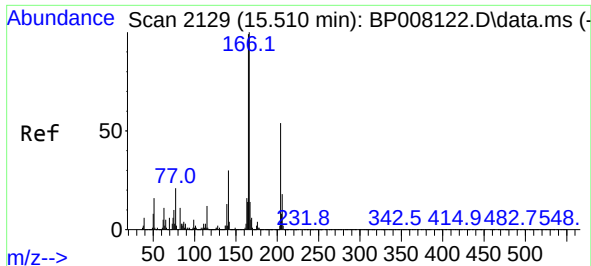


#55
Dibenzofuran
Concen: 2.787 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17



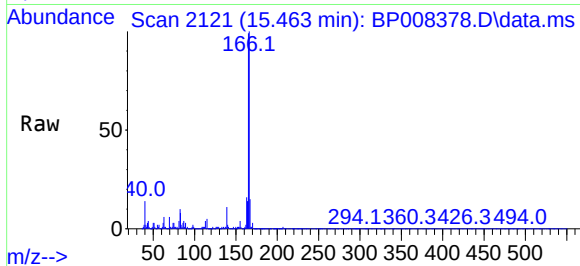
Tgt Ion:168 Resp: 37285
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 14.7 11.0 16.4





#58
Fluorene
Concen: 3.256 ng
RT: 15.463 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

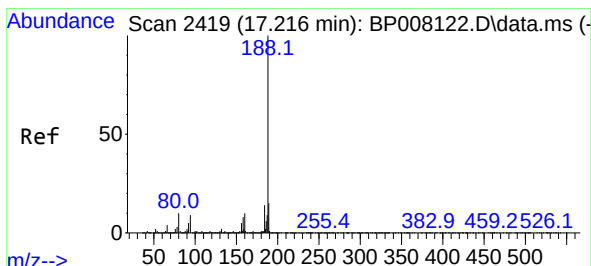
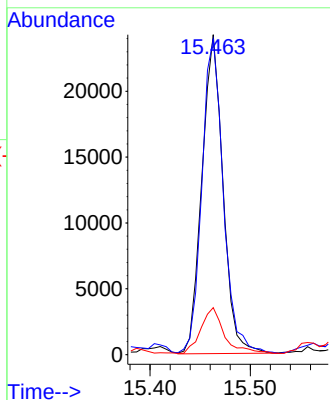
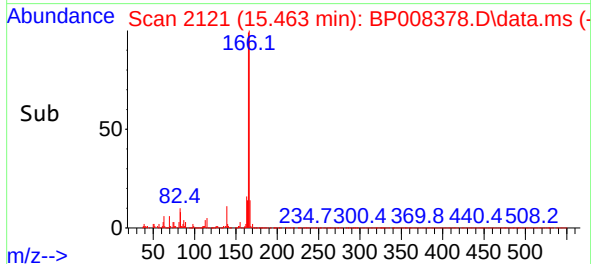
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BNA_P
ClientSampleId :
P3-COMPDL



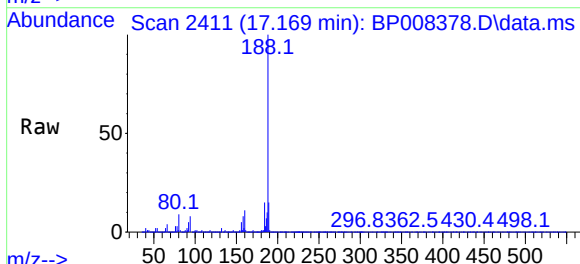
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Ion Ratio Lower Upper
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165 98.6 79.4 119.2
167 14.7 10.9 16.3

Manual Integrations
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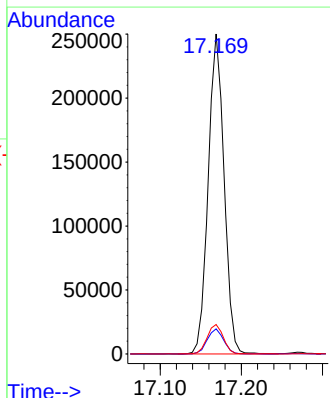
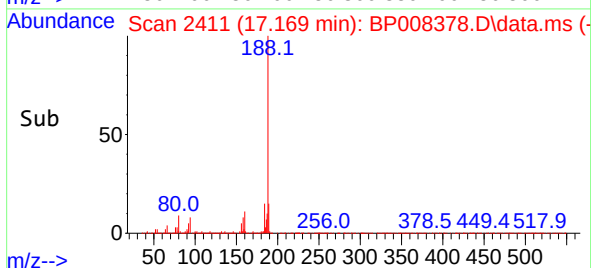
Reviewed By :Christian Giraldo 12/14/2021
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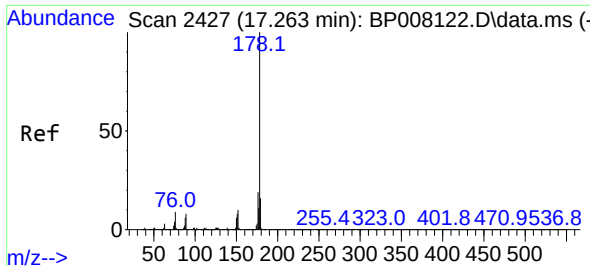


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17



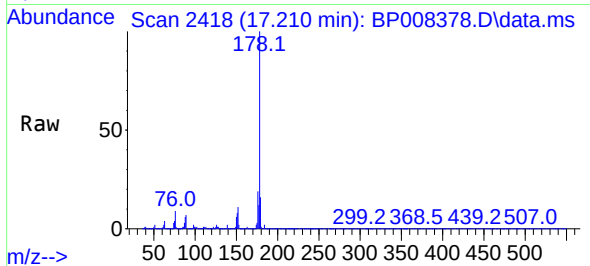
Tgt Ion:188 Resp: 338967
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 9.2 8.2 12.4





#71
Phenanthrene
Concen: 23.744 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

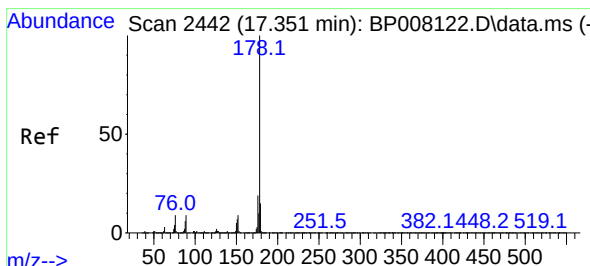
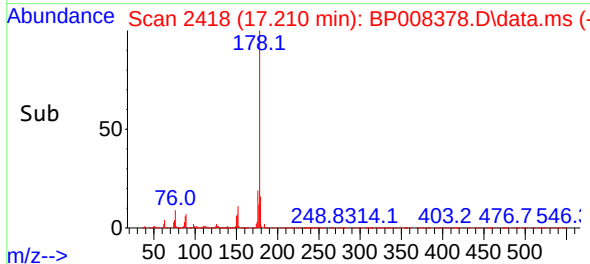
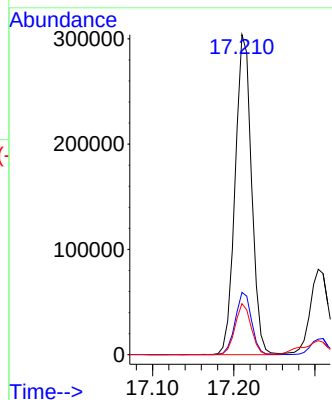
Instrument :
BNA_P
ClientSampleId :
P3-COMPDL



Tgt Ion:178 Resp: 424935
Ion Ratio Lower Upper
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176 19.4 15.3 22.9
179 15.9 12.5 18.7

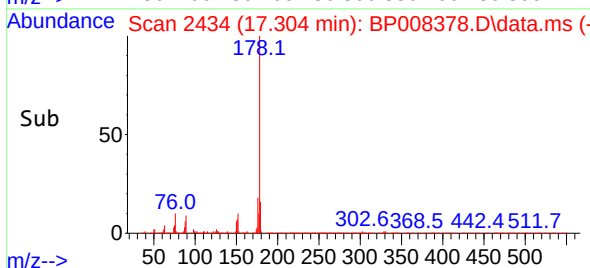
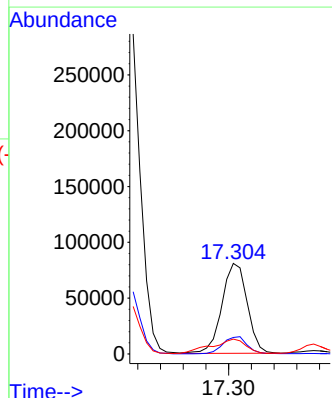
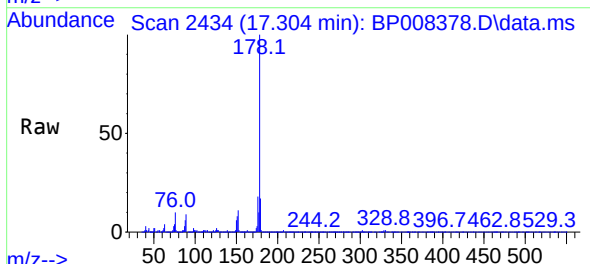
Manual Integrations
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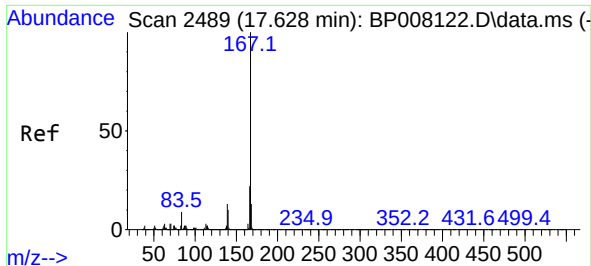
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#72
Anthracene
Concen: 7.012 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:178 Resp: 124531
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.5 12.3 18.5





#73
 Carbazole
 Concen: 3.005 ng
 RT: 17.587 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: BP008378.D
 Acq: 13 Dec 2021 14:17

Instrument :

BNA_P

ClientSampleId :

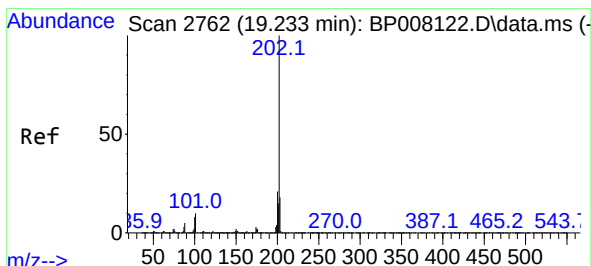
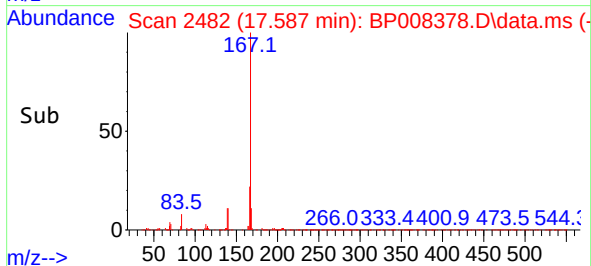
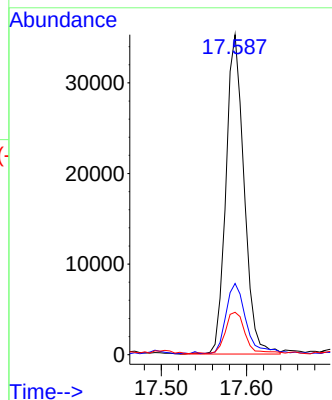
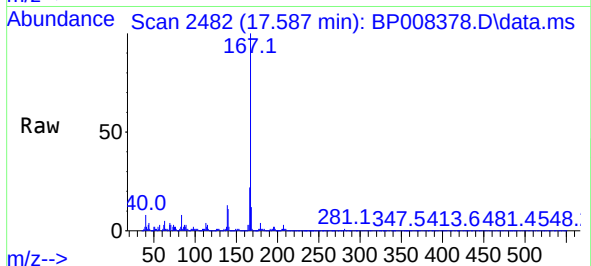
P3-COMPDL

Tgt Ion:167 Resp: 5209
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.3 10.2 15.2

Manual Integrations

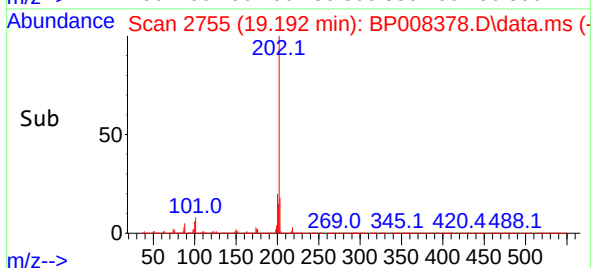
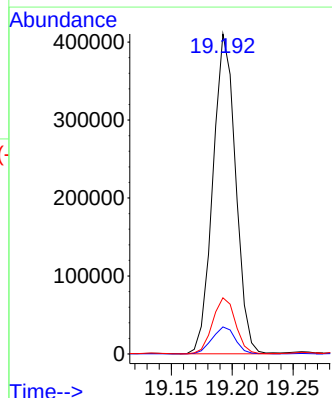
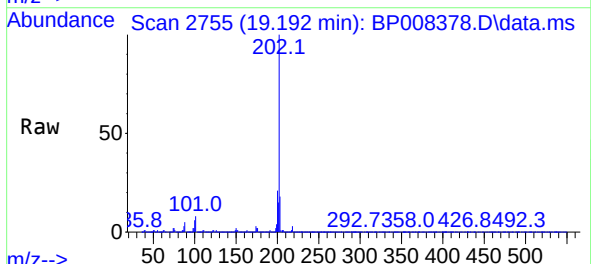
APPROVED

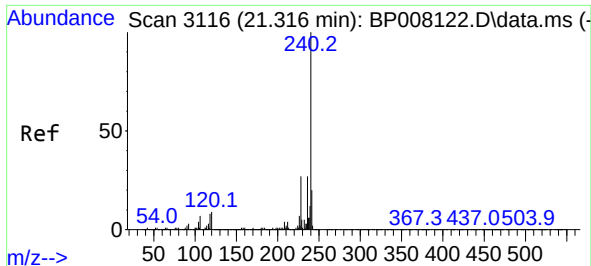
Reviewed By :Christian Giraldo 12/14/2021
 Supervised By :Jagrut Upadhyay 12/14/2021



#75
 Fluoranthene
 Concen: 22.079 ng
 RT: 19.192 min Scan# 2755
 Delta R.T. -0.012 min
 Lab File: BP008378.D
 Acq: 13 Dec 2021 14:17

Tgt Ion:202 Resp: 532308
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 29.8
 203 17.6 0.0 37.7





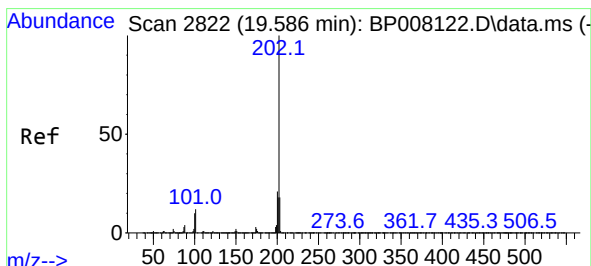
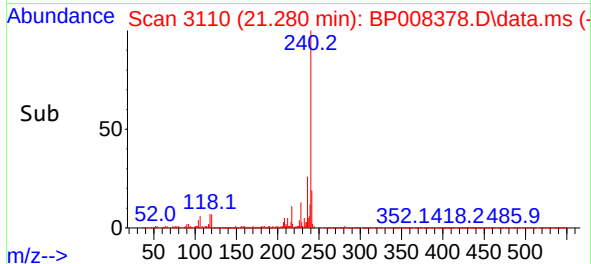
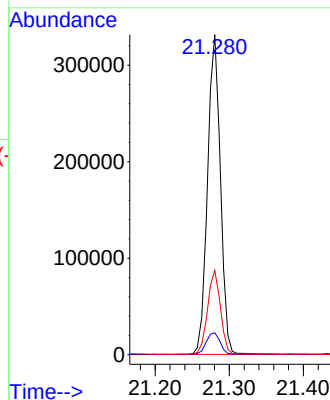
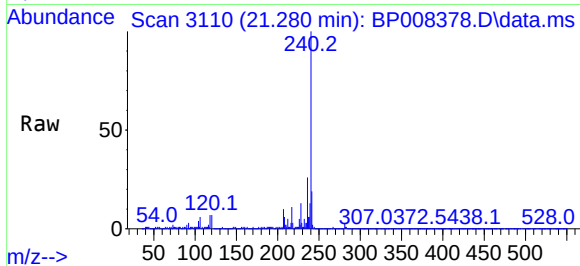
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion:240 Resp: 40104
Ion Ratio Lower Upper
240 100
120 6.9 7.3 10.9
236 26.3 21.4 32.2

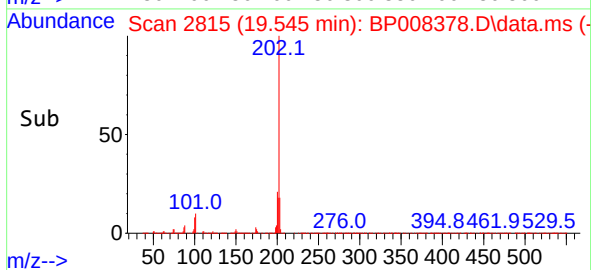
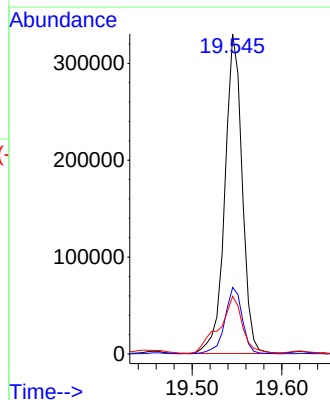
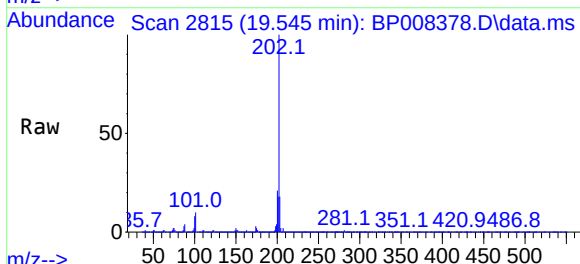
Manual Integrations
APPROVED

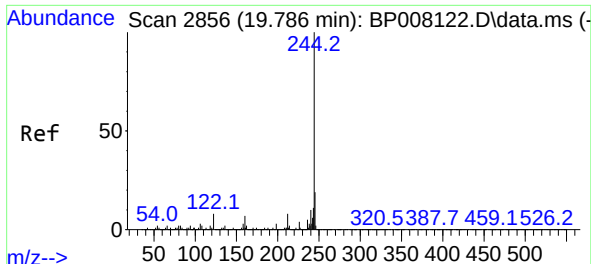
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#78
Pyrene
Concen: 15.834 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:202 Resp: 442318
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 18.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 12.447 ng
 RT: 19.745 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008378.D
 Acq: 13 Dec 2021 14:17

Instrument :

BNA_P

ClientSampleId :

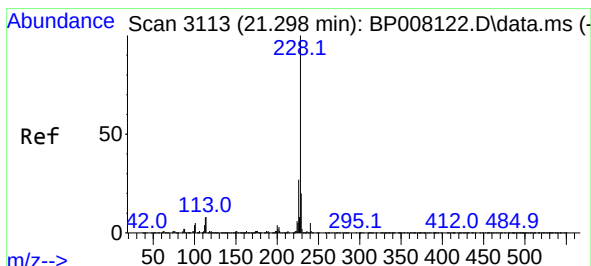
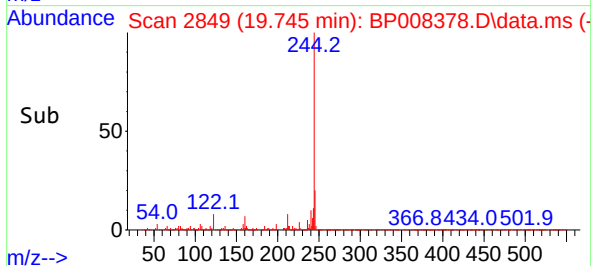
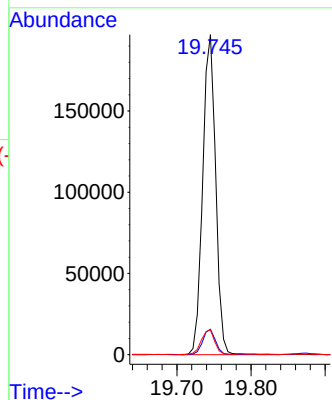
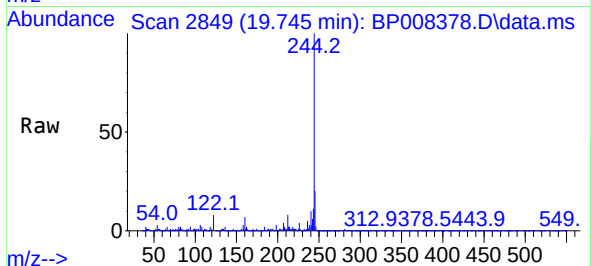
P3-COMPDL

Tgt Ion:244 Resp: 238840
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 7.8 6.6 9.8

Manual Integrations

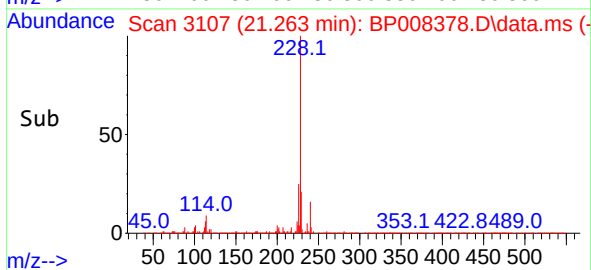
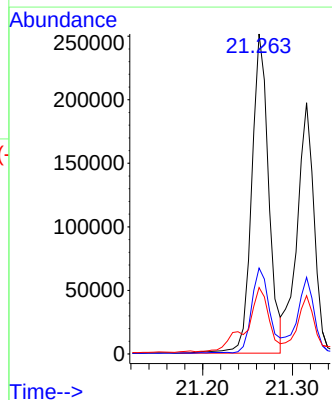
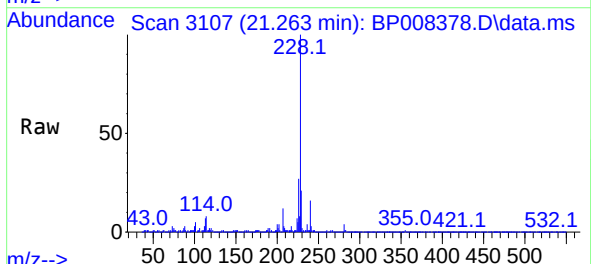
APPROVED

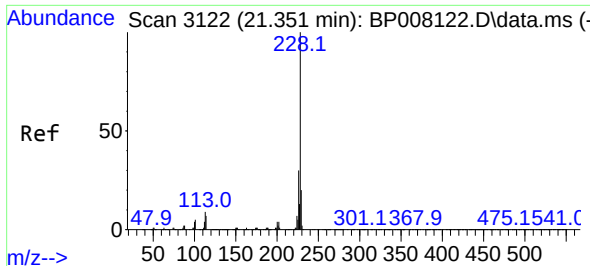
Reviewed By :Christian Giraldo 12/14/2021
 Supervised By :Jagrut Upadhyay 12/14/2021



#81
 Benzo(a)anthracene
 Concen: 12.447 ng
 RT: 21.263 min Scan# 3107
 Delta R.T. -0.012 min
 Lab File: BP008378.D
 Acq: 13 Dec 2021 14:17

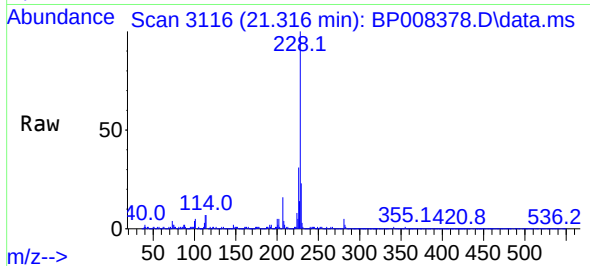
Tgt Ion:228 Resp: 330838
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.9 32.9
 229 20.7 15.9 23.9





#83
Chrysene
Concen: 10.331 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

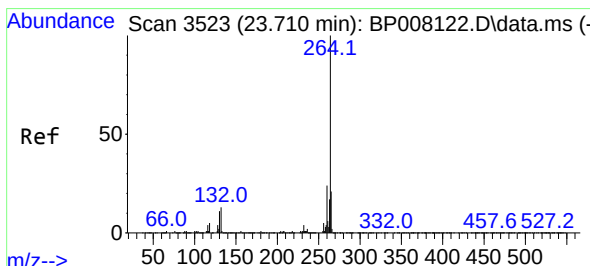
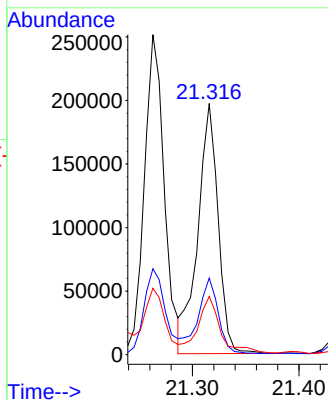
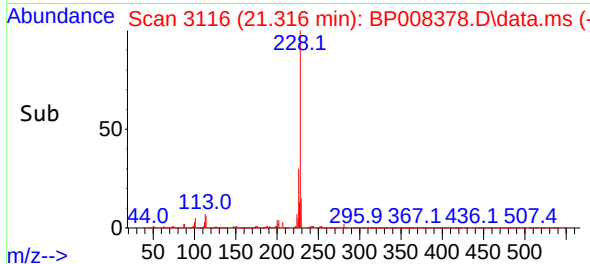
Instrument :
BNA_P
ClientSampleId :
P3-COMPDL



Tgt Ion:228 Resp: 261298
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 23.2 15.8 23.8

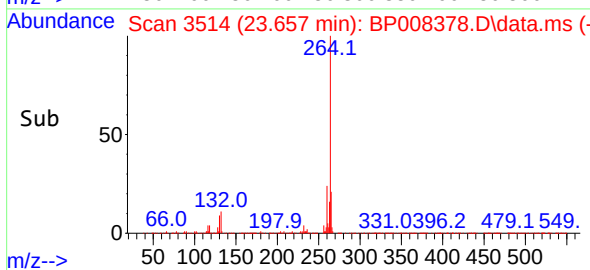
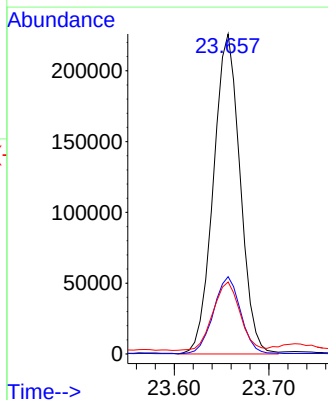
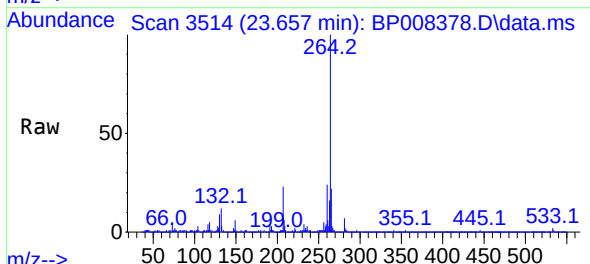
Manual Integrations
APPROVED

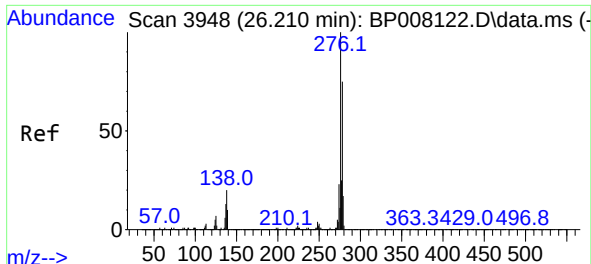
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.657 min Scan# 3514
Delta R.T. -0.017 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:264 Resp: 442896
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.5 17.6 26.4





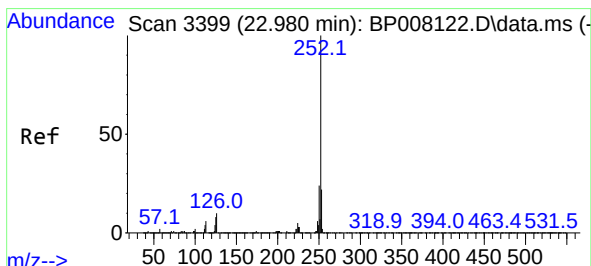
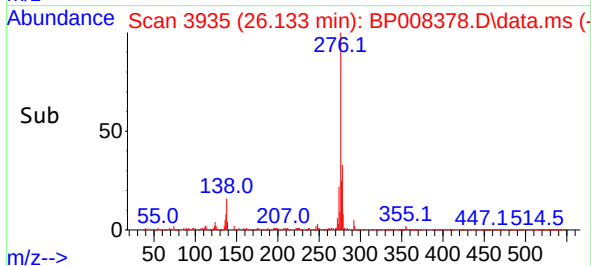
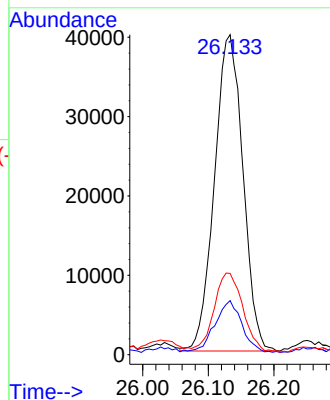
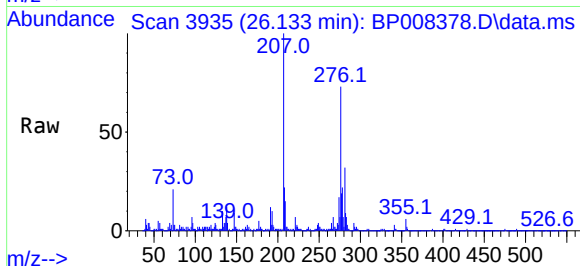
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.727 ng
RT: 26.133 min Scan# 3948
Delta R.T. -0.029 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion:276 Resp: 12010
Ion Ratio Lower Upper
276 100
138 15.5 16.6 25.0
277 25.5 20.2 30.2

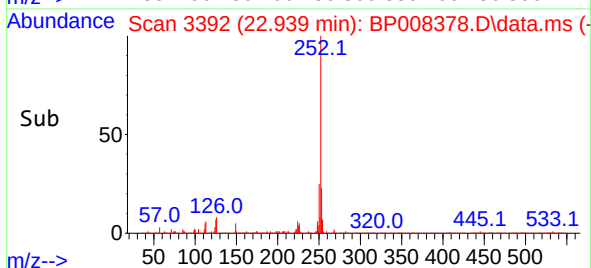
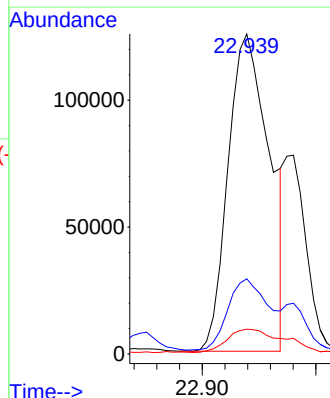
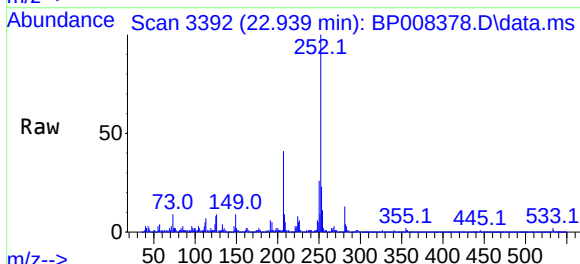
Manual Integrations
APPROVED

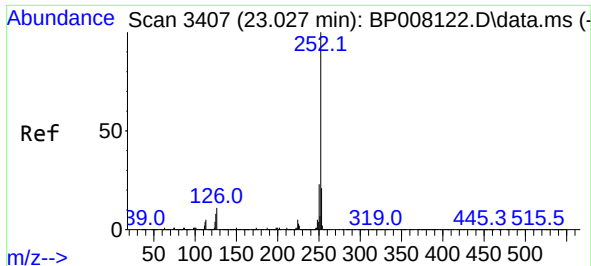
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#88
Benzo(b)fluoranthene
Concen: 11.858 ng
RT: 22.939 min Scan# 3392
Delta R.T. -0.006 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Tgt Ion:252 Resp: 316609
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 7.8 6.2 9.4





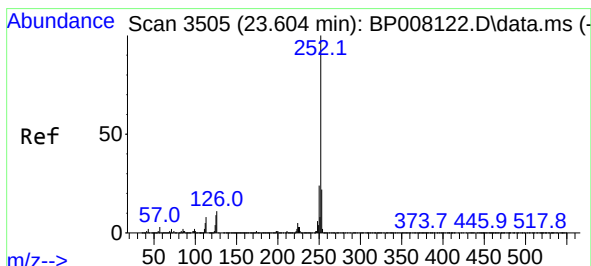
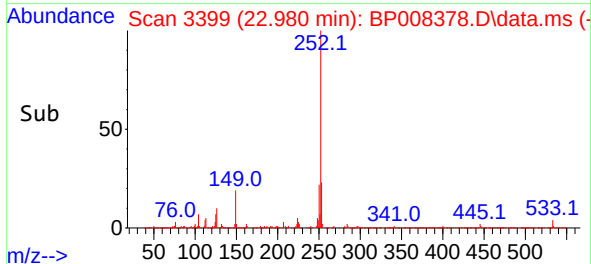
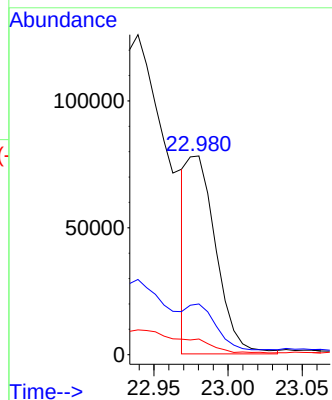
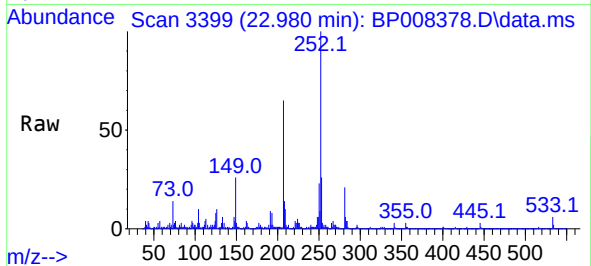
#89
Benzo(k)fluoranthene
Concen: 4.054 ng m
RT: 22.980 min Scan# 31
Delta R.T. -0.017 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL

Tgt Ion:252 Resp: 105974
Ion Ratio Lower Upper
252 100
253 25.5 17.3 25.9
125 7.9 6.5 9.7

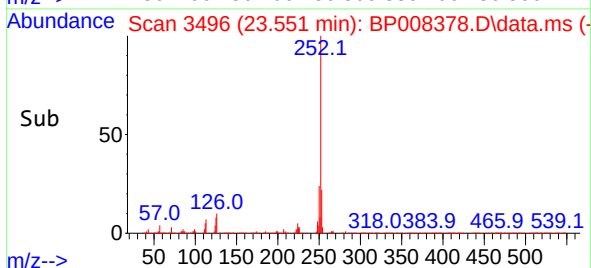
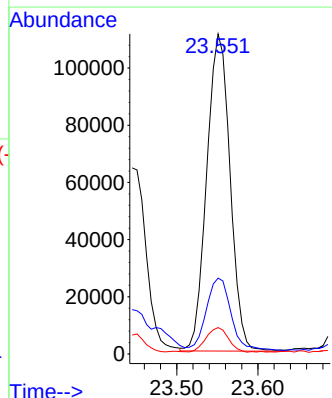
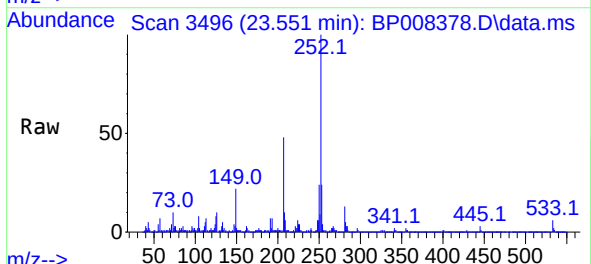
Manual Integrations
APPROVED

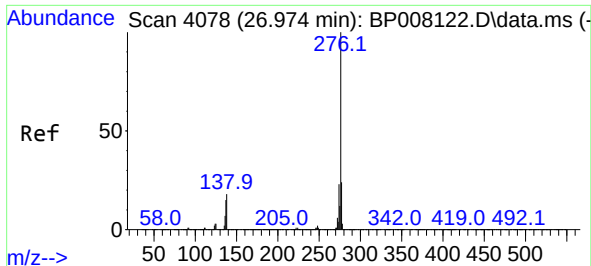
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#90
Benzo(a)pyrene
Concen: 9.736 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.017 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

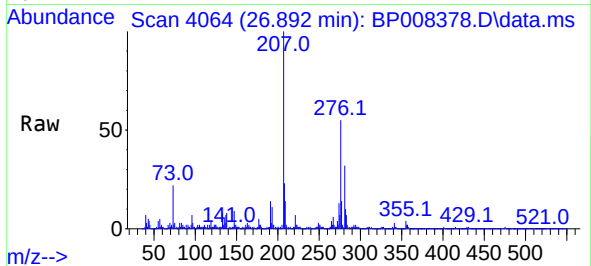
Tgt Ion:252 Resp: 222174
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 8.3 7.4 11.0





#92
Benzo(g,h,i)perylene
Concen: 3.637 ng
RT: 26.892 min Scan# 4064
Delta R.T. -0.029 min
Lab File: BP008378.D
Acq: 13 Dec 2021 14:17

Instrument :
BNA_P
ClientSampleId :
P3-COMPDL



Tgt Ion: 276 Resp: 9819
Ion Ratio Lower Upper
276 100
277 24.5 20.0 30.0
138 14.9 14.1 21.1

Manual Integrations
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Reviewed By : Christian Giraldo 12/14/2021
Supervised By : Jagrut Upadhyay 12/14/2021

